

**Meeting Description:** Michigan Geographic Framework Users Meeting

**Date:** September 6, 2000

**Time:** 10:00 a.m.

**Location:** Romney Building, 10th Floor, Michigan Information Center Conference Room

I. Approval of July Meeting Minutes

II. Geographic Framework Program

A. Michigan Information Center (MIC) Project Update

1. Phase 2 / Seaming Status

Everett Root, MIC, distributed a current status map. The Upper Peninsula is completely seamed, a region built, and the product has been delivered to Michigan Department of Transportation (MDOT). There were a few data changes that were required, updates were returned to MIC and changes have been reintegrated into the 15 county files. The northern Lower Peninsula region is the next region to be seamed. The final quality control checks are done, except last 5-6 counties and they should be completed within a couple of weeks.

2. Polygon Build / Act 51 Update

A lot of work has been done on Phase 3 part of product, which is the 1999 Act 51 updates and polygon updates (closing up of the voter precincts, county commissioner districts, state senate and house representative districts, census tracts, and block groups). Kent, Saginaw, Livingston, and Barry counties have had Act 51 updates as part of Phase 2. Lapeer, Tuscola, Jackson, Newaygo, and Muskegon counties are in the Phase 3 process. Seaming in the southwest corner of Michigan has begun. Macomb County will be done any day and Livingston County will be soon after that. Oakland County should be complete in October and Wayne County after that. There are a couple things that helped with Wayne County - 2 staff are working a total of 16 hours a day and the process time for the check program (which ran for 45 minutes 3-4 times per day) is down to 3 minutes. The computer being used for Wayne county is a 500 MHz Pentium PC and MIC purchased 2-700 MHz and installed a processor to speed up computer and plan to do the same thing for the computer used to process Oakland County.

3. Digital Ortho Order

Everett Root, MIC, distributed a current map describing the status of digital ortho quarter quads (DOQQ) for the state. The map uses a shape file of polygons of all the quarter quads in the state. It shows what MIC acquired from United States Geological Survey (USGS), although there is new photography available for some of those areas which MIC will acquire along with areas that they don't have coverage for. The 1998-99 photos are color infrared and the earlier photos are black and white. Once DOQQs have been received, MIC will be reprojecting them into Michigan GeoRef, create a State Plane NAD83 version and MrSid mosaics by county and possibly by quad. MIC anticipates ordering 350 quarter quads. These photos are not included in the innovative partnership (IP) that Michigan Department of Natural Resources (MDNR) is processing.

III. Michigan Department of Natural Resources (MDNR) Projects and Activities

Not present.

IV. Michigan Department of Transportation (MDOT) Projects and Activities

Joyce Newell, MDOT, reported that Saginaw County is being returned to MIC and Washtenaw and Kent Counties have everything but the functional class. Joyce attended a RoadSoft Users' meeting and they are anxiously awaiting the MDOT superior region. Joyce

suggested to RoadSoft that when maps are sent out to the county road agencies that they are encouraged to advise of improvements to be made.

Everett Root, MIC, commented that MIC sent paper maps of framework displaying functional class, road names, and physical reference (PR) numbers to county road commissions. MIC has received maps back from Lenawee, Presque Isle, and Kalamazoo counties. MIC staff is updating name changes - then they take road name changes from maps and update attribution. If the county's work is at a point for work on topology changes, they will also be incorporated. The counties are noting subdivisions, breaks in roads, and connecting roads. When topology changes are made, MALI changes are also made.

Joyce Newell, MDOT, commented that she was asked at the meeting if the rail could be edited. She responded that information would be helpful, but would not take effect until Version 2 release.

Ann VanSlembrouck, SEMCOG, asked if MIC received any information back from southeast Michigan.

Everett Root, MIC, responded that Marysville in St. Clair County sent back a map with address and name corrections.

Joyce Newell, MDOT, added that the Monroe County engineer received maps and filed them without review.

Everett Root, MIC, commented that Monroe County's maps were hand-delivered to the local meeting that was held at SEMCOG.

Ann VanSlembrouck, SEMCOG, suggested that we give them to a different person within the organizations.

Joyce Newell, MDOT, added that readable maps are being provided, but MDOT does not provide a lot of detail until they are sure that they are being looked at.

Ann VanSlembrouck, SEMCOG, asked if there is a deadline.

Everett Root, MIC, responded that it depends on the status of county. The Upper Peninsula will have to wait a while for topological changes. The Lower Peninsula changes can still be processed.

Ann VanSlembrouck, SEMCOG, commented that SEMCOG has a regional geographic information system (GIS) meeting next week and it may be helpful to mention this.

Everett Root, MIC, added that the counties that have received maps are the Phase 2 Complete and MDOT Attributes Reintegrated counties. That would include Monroe, St. Clair, and Washtenaw counties in southeast Michigan.

Gil Chesbro, MDOT, reported that MDOT is looking at a new GIS application. Wherever a trunkline crosses a county drain, the state must pay a fee to the county drain commissioner for use of drains. MDOT would like to show those crossings and information about crossings. Most of the drains are ditches and some are tiles. There currently are not node points. MDOT may ask MIC to add node points. Hope to develop this over the next 3-4 months and post the information on a web site. They have mapped out system requirements. There are several historic databases that MDOT is trying to identify and bring together.

Joyce Newell, MDOT, commented that at the RoadSoft meeting they were prioritizing culverts, bridges, and rail crossings. She asked Gil if the drains were bridges or culverts.

Gil Chesbro, MDOT, responded that the drains are bridges and culverts.

Everett Root, MIC, commented that drains were in Michigan Resource Information System (MIRIS) data and are in framework. When Hillsdale County expressed interest in looking at framework, their Drain Commission office got involved. They took a copy of paper maps and marked on them. MIC determined they indicate county-owned drains, names, whether drain

closed or open, underground, or tiled - the point where the drains cross the roads, would be valuable information.

Gil Chesbro, MDOT, stated that initially would not need to show the watercourse. Everett Root, MIC, added that when repositioning with ortho photos, hydrography is something that would be moved. Ionia County Road Commission contracted Grand Valley State University to use global position system (GPS) to map culverts and bridges.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities  
Not present.

VI. Michigan State Police (MSP) Projects and Activities  
Not present.

VII. Michigan State Industries (MSI) Projects and Activities

Carol Woodman, MSI, distributed status maps. At the ESRI meeting they received Mecosta and Lenawee counties to do rework, quality control, and will send back soon. Anxiously awaiting more counties to work on.

VIII. MIC Projects and Activities

A. GIS Awareness Campaign

1. State / Local GIS Users' Meetings

Everett Root, MIC, reported the monthly meeting was taken to local users around the state. The meetings were held in Saginaw, Houghton, Marquette, Detroit, Ann Arbor, Allegan, Grand Rapids and Traverse City. Everett thanked all that participated. Rob Surber demonstrated the framework viewer; there was a RoadSoft presentation; Steve Miller and Andy Lebaron demonstrated the MDEQ viewer; Eric Nischan displayed MSP mapping, and Gary Bilow demonstrated MDNR applications. There was a good cross section of attendees – private companies, road commissions, city and village officials, and university staff. The response was positive and Everett anticipates doing the Local GIS Users' meetings again. Some of the most commonly asked questions included: framework viewer (which was well received); importance of aerial photos and availability of digital ortho quads; need to have state plane projected available; framework costs and uses; getting data from the states of Wisconsin, Illinois, and Indiana to line up with framework, water shed, and transportation; and addressing issues.

Ann VanSlembrouck, SEMCOG, commented that she thought the meeting in their area went well. Asked about attendance

Everett Root, MIC, responded that the meetings had 20-40 at a time.

2. Addressing Authority Legislation

Everett Root, MIC, reported MIC met with Michigan Association of Counties to get feedback and comments regarding the wording of legislation to establish addressing standards. They plan to meet with Oakland County in the future for their input.

3. Statewide Land Database (SWLDB)

Everett Root, MIC, reported that work on the SWLDB is moving along well. This is a mapping of state-owned and state-leased land, buildings, and infrastructure. MSU is involved in programming the viewer.

4. Technology Update

Everett Root, MIC, reported that MIC ordered ESRI SDE and ArcIMS products and is looking at how they can be used with framework. Will get training for staff and then test.

IX. Regional Projects and Activities

Ann VanSlembrouck, SEMCOG, reported that they are still trying to get up to full staff. They lost their transportation department, GIS person, but they have added Susan Moore. Susan will train on Michigan Geographic Framework. Asked if there was any coverage of the state truck routes.

Joyce Newell, MDOT, commented that SEMCOG should ask Susan Berquist, MDOT. She is working on all-season roads - which may be related.

Gil Chesbro, MDOT, added that he was curious of the term 'truck route'. There is also the Priority Commercial Network (PCN) that Ann may want to check out.

X. MSU Center for Remote Sensing and GIS Projects and Activities

Not present.

XI. County / Local Projects and Activities

Michael Hass, MSU Extension Branch County, reported that he has only been at Branch County for 2 months and is housed at MSU Extension. He is doing strategic planning "What GIS is Good For". Carol Woodman, MSI, gave him a copy of framework for Branch County.

Everett Root, MIC, added that most of Branch County is partially seamed.

Michael Hass, MSUE Branch County, asked if MDOT has aerial photography of I69.

Gil Chesbro, MDOT, will check on and advise.

XII. Federal Projects and Activities

Not present.

XIII. Other Issues

Everett Root, MIC, displayed an elevation map of the state being worked on by MIC. They are bringing in Canada shoreline. Another version has the Illinois, Indiana, and Ohio hydrology network and looks real nice. They are hoping to have a couple versions to display.

XIV. Next Meeting Date

October 5, 2000, 10 a.m. until 12 p.m., George W. Romney Building, 111 S. Capitol, 10<sup>th</sup> Floor, Lansing, MI 48933

\*\* If any changes or corrections are to be made to these minutes, please contact the Michigan Information Center at (517) 373-7910